13 February 1970 IEG/MSD-199/70

MEMORANDUM FOR:	Executive Director, NPIC	
THROUGH:	Chief, Imagery Exploitation Group, NPIC	
SUBJECT:	Launch Sites 7A and 7B, Launch Complex A, Sary-Shagan Missile Test Center	
REFERENCE:	ated 3 February 1970	

1. We have been watching closely the activity in the area of the old GRIFFON launch sites at launch complex A, Sary-Shagan MTC during the past 17 months. In our opinion, both launch sites 7A and 7B appear to be standard GALOSH launch sites like those at Moscow and at Sary-Shagan launch complex B. However, the vertical erector arms at site 7A are slightly atypical in height, □ The erector arms at site 7B measure approximately Although the height measurements of 7A and 7B differ, the GALOSH launcher erectors at launch complex B, positions B3 and B4, also differed in height measurements | The launcher erector at position B3, which was removed in | high while the one at B4 measured approximately In addition, height measurements of the launcher erectors at the Moscow ABM complexes vary

Launch sites 7A and 7B, launch complex A, have the following GALOSH characteristics. a. When observed under construction, both sites had circular excavations with diameters of approximately 30 feet, which is the average width of launcher erector excavations observed at the Moscow complexes and at launch complex B. b. Each launch site has a turntable base for the launcher erector arms. c. Vehicle guide rails for the positioning of a transporter-launcher bisect the base and have dimensions similar to other known GALOSH launch sites. All three features are exhibited at the Moscow complexes and at launch complex B, Sary-Shagan.

> **Declass Review by** NIMA/DOD

> > 25

25

25

25

Excluded from automatic downgrading and declassfication

X1

БX1

5X1

Approved For Release 2004 02/11 CIA RDP78B05703A000100020041-8

oved For F

3 Feb 70

ChIEG -

Re new Galos A launchers at launch Site 7, launch Complex A:

- Perhaps I am being too
simple-minded, but me thinks
we should watch carefully
for any sions that the Sovs
are developing a smaller or
shorter ABM than the Galosh
as we know it, perhaps for
endo atmospheric intercept role.

- The lesser hight of the
launchers points in that
direction.

25

25X1

Weekly Surveyor

9 February 1970

## DEFENSIVE SYSTEMS

Soviet SA-5 SAM Checkout Facility Identified at Kovylkino: A checkout facility for SA-5 SAM equipment has been identified at a previously unidentified facility at Kovylkino (54-00N/43-49E). Fourteen Square Pairgradars and 146 launchers were seen within the doubly secured area of the facility. There are a number of indications that the facility is for equipment checkout rather than test firing or operational use; 1) the absence of revetments, 2) neat rows of closely spaced equipment, 3) the presence of 15 Square Pair radar and 90 launcher locations, 4) the apparent absence of missiles and 5) the lack of acquisition radars. The Kovylkino checkout facility (145 miles south of Gorkiy) was first noted under construction in construction appeared complete in mid-1966, although partial use may have occurred as early as mid-1964. The facility is served by a spur connected with major Soviet rail lines suitable for marshalling at Kovylkino the vans, radars and launchers observed there.

The facility consists of two parallel concrete strips over 2000 ft in length and separated by more than 2500 ft. Fifteen Square Pair guidance radar positions and associated vans are aligned on one strip and 90 SA-5 launchers are in a double row on the other. The distance between the two is approximately that separating radars and launchers at deployed complexes. Three cable trenches connect the two strips and three calibration towers are located to one side of the facility. The location of these towers is consistent with that of the tower observed at operational complexes. The facility gives the distinct impression of being used to check out the compatibility of launchers and guidance radars and to mutually align

and synchronize them. (TS)

Sypes OF MOS BECOPTED ME Lavables of Lavach Sito

Galosh lounebo

25X1

.

8.

TOP SECRET

25X1

95X1

25X1

	Approved F Release 2004/02/11/12 RCIA RDP78B05703A000100020041-8	25X1
F	Approved Tollers 2004/02/412/CIA-NDI 70D03703A000100020041-0	23/(1
	Weekly Surveyor	·
	a repruary 1970	
	structed. The first of the launchers observed at this facility was comparable to the Galosh launchers deployed with the Moscow ABM system in almost every respect except	
25X1	Galosh launcher height of about (The first launcher of the Galosh-type to be height as opposed to a nominal	· 25X <u>1</u>
	ever associated with that launcher and it was dismartled	neoricellos GAZOSA anym 25×1
	in late 1967, about a year before the emplacement of the first launcher at Site 7.) The possibility exists, therefore, that the Site 7 launcher is the same one that was dismantled at Launch Complex B.)	BB on A
25X1	The second Galosh-type launcher at Launch Site 7 will be about and apparently will closely resemble the deployed Galosh launchers. The high level	
	of construction activity in this area even during the winter months:  cates a high Soviet priority for this facility. The appearance of this second launcher strongly	
	suggests that Galosh AMMs will be launched from this location. The relationship of this facility to other ABM-related facilities at Sary Shagan cannot yet be established and the electronics which will be associated with the launchers have not yet been identified. (IAS and DSD	
25X1	Analysis) (TS/	25X1
25X1	Gin Sling Radar Identified at Chinese Island SAM Site:  Photography of clearly shows that the SAM site located on Ssu Chiao Island southeast of Shanghai at 30-	
25X1	42-30N/122-27-50E is equipped with a Gin Sling radar.	
·	Comment: This identification, together with data obtained during a SAM firing from this site on I December 1969, appears to confirm the view that all Gin	25X1
•	Sling parameters except its steady-scan mode are the same as the S-band Fan Song B. Gin Sling is the Chinese-produced modified version of the Soviet Fan Song; heretofore, there had been considerable uncertainty as to what modifications the Chinese had made.	
	Gin Sling is distinguished by (1) a small dish antenna above the center of the horizontal trough tracking	
	9	•
	TOP SECRET	25X1

Approved For Release 2004/02/11 : CIA-RDP78B05703A000100020041-8